

Appl. No. 10/663,662  
Amendment dated October 15, 2004  
Reply to Office Action of June 15, 2004

**IN THE SPECIFICATION**

**Please replace the Abstract with the following amended Abstract:**

**ABSTRACT**

A heterogeneous computer system, a heterogeneous input/output system and a data back-up method for the systems. An I/O subsystem A for an open system and an I/O subsystem B for a mainframe are connected by a communication unit. In order to back up the data from at least a disk connected to the I/O subsystem B in a MT library system and in order to permit the mainframe to access the data in the I/O subsystem B, the I/O subsystem A includes a table for assigning a vacant memory address in a local subsystem to the memory of the I/O subsystem A for an open system. A request of variable-length record format received from the mainframe is converted into a fixed-length record format for the I/O subsystem B. The disk designated according to the table is accessed, and the data thus obtained is sent to the mainframe and backed up in the back-up system.

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**Please replace the paragraph on page 1, lines 5-10, with the following  
amended paragraph:**

**CROSS-REFERENCE TO RELATED APPLICATIONS**

**This application is a division of application Serial No. 10/326,978 filed on December 24, 2002, now U.S. Patent No. 6,721,841, which is a continuation of application Serial No. 09/594,012 filed on June 15, 2000, now U.S. Patent No. 6,529,976, which is a continuation of application Serial No. 09/052,985 filed on April 1, 1998, now U.S. Patent No. 6,098,129. The contents of application Serial Nos. 10/326,978, 09/594,012 and 09/052,985 are hereby incorporated herein by reference in their entirety.**